

Please type a plus sign (+) inside this box ☒

PTO/SB/05 (03-01)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|---|------------------------|---|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> | Attorney Docket No.    | 101328-180  |
|   | First Inventor         | Karen K. Gleason, et al.  |
|   | Title                  | POROUS MATERIAL FORMATION BY CHEMICAL<br>VAPOR DEPOSITION ONTO COLLOIDAL<br>CRYSTAL TEMPLATES |
|   | Express Mail Label No. | EV 324850637 US   |

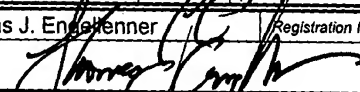
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| <b>APPLICATION ELEMENTS</b><br><small>See MPEP chapter 600 concerning utility patent application contents.</small> | <b>ADDRESS TO:</b><br>Mail Stop Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |
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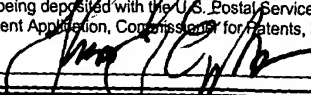
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|---|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><small>(Submit an original, and a duplicate for fee processing)</small>  | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program (Appendix)   |
| 2. <input checked="" type="checkbox"/> Applicant claims small entity status.<br><small>See 37 CFR 1.27.</small>   | 8. Nucleotide and/or Amino Acid Sequence Submission<br><small>(if applicable, all necessary)</small>   |
| 3. <input checked="" type="checkbox"/> Specification <small>[Total Pages 39]</small><br><small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"><li>- Descriptive title of the invention</li><li>- Cross Reference to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to sequence listing, a table,<br/>or a computer program listing appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul> | a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies |

|   |  |
|---|--|
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <small>[Total Sheets 7]</small>   | <b>ACCOMPANYING APPLICATIONS PARTS</b> |
| 5. Oath or Declaration <small>[Total Pages 6]</small><br>a. <input checked="" type="checkbox"/> unexecuted (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br><small>(for continuation/divisional with Box 18 completed)</small><br>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br><small>Signed statement attached deleting<br/>inventor(s) named in the prior application,<br/>see 37 CFR 1.63(d)(2) and 1.33(b).</small>   |  |
| 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76  |  |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application<br>Data Sheet under 37 CFR 1.76:<br><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____<br><small>Prior application information: Examiner _____ Group / Art Unit: _____</small><br><b>For CONTINUATION or DIVISIONAL APPS only:</b> The entire disclosure of the prior application, from which an oath or declaration is supplied<br>under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by<br>reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts. |  |

|   |  |
|---|--|
| <b>19. CORRESPONDENCE ADDRESS</b>                                     |  |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 021125 or <input checked="" type="checkbox"/> Correspondence address below |

|         |  |           |                |          |                |
|---------|--|-----------|----------------|----------|----------------|
| Name    | NUTTER MCCLENNEN & FISH LLP<br>Thomas J. Engellenner |           |                |          |                |
| Address | World Trade Center West<br>155 Seaport Boulevard     |           |                |          |                |
| City    | Boston   | State     | MA             | Zip Code | 02210-2604     |
| Country | US   | Telephone | (617) 439-2948 | Fax      | (617) 310-9948 |

|                   |   |                                   |               |
|-------------------|---|-----------------------------------|---------------|
| Name (Print/Type) | Thomas J. Engellenner   | Registration No. (Attorney/Agent) | 28,711        |
| Signature         |  | Date                              | July 22, 2003 |

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|---|--|
| <b>Transmittal-New Utility Patent Application</b>   |  |
| I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV324850637US,<br>in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on<br>the date shown below. |  |
| Dated: July 22, 2003  | Signature:  (Thomas J. Engellenner) |

1239811 1

17354 U.S. PTO  
10/624959  
07/22/03

17264 U.S. PTO  
07/22/03

PTO/SB/17 (10-02)

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# **FEE TRANSMITTAL** **for FY 2003**

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$) **963.00**

## **Complete if Known**

Application Number Not Yet Assigned  
Filing Date Herewith - July 22, 2003  
First Named Inventor Karen K. Gleason  
Examiner Name Not Yet Assigned  
Group Art Unit N/A  
Attorney Docket No. 101328-180

## **METHOD OF PAYMENT (check all that apply)**

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account

Deposit Account Number

141449

Deposit Account Name

Nutter McClennen & Fish LLP

The Commissioner is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## **FEE CALCULATION (continued)**

### **3. ADDITIONAL FEES**

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 1051         | 130      | 2051         | 65       | Surcharge - late filing fee or oath  |          |
| 1052         | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053         | 130      | 1053         | 130      | Non-English specification  |          |
| 1812         | 2,520    | 1812         | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804         | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805         | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251         | 110      | 2251         | 55       | Extension for reply within first month                                     |          |
| 1252         | 400      | 2252         | 200      | Extension for reply within second month                                    |          |
| 1253         | 920      | 2253         | 460      | Extension for reply within third month                                     |          |
| 1254         | 1,440    | 2254         | 720      | Extension for reply within fourth month                                    |          |
| 1255         | 1,960    | 2255         | 980      | Extension for reply within fifth month                                     |          |
| 1401         | 320      | 2401         | 160      | Notice of Appeal   |          |
| 1402         | 320      | 2402         | 160      | Filing a brief in support of an appeal                                     |          |
| 1403         | 280      | 2403         | 140      | Request for oral hearing   |          |
| 1451         | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452         | 110      | 2452         | 55       | Petition to revive - unavoidable   |          |
| 1453         | 1,280    | 2453         | 640      | Petition to revive - unintentional   |          |
| 1501         | 1,280    | 2501         | 640      | Utility issue fee (or reissue)   |          |
| 1502         | 460      | 2502         | 230      | Design issue fee   |          |
| 1503         | 620      | 2503         | 310      | Plant issue fee  |          |
| 1460         | 130      | 1460         | 130      | Petitions to the Commissioner  |          |
| 1807         | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806         | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021         | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809         | 740      | 2809         | 370      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810         | 740      | 2810         | 370      | For each additional invention to be examined (37CFR 1.129(b))              |          |
| 1801         | 740      | 2801         | 370      | Request for Continued Examination (RCE)                                    |          |
| 1802         | 900      | 1802         | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$) **0.00**

## **FEE CALCULATION**

### **1. BASIC FILING FEE**

| Large Entity             |          | Small Entity |          | Fee Description        | Fee Paid      |
|--------------------------|----------|--------------|----------|------------------------|---------------|
| Fee Code                 | Fee (\$) | Fee Code     | Fee (\$) |                        |               |
| 1001                     | 740      | 2001         | 370      | Utility filing fee     | 375.00        |
| 1002                     | 330      | 2002         | 165      | Design filing fee      |               |
| 1003                     | 510      | 2003         | 255      | Plant filing fee       |               |
| 1004                     | 740      | 2004         | 370      | Reissue filing fee     |               |
| 1005                     | 160      | 2005         | 80       | Provisional filing fee |               |
| <b>SUBTOTAL (1)</b> (\$) |          |              |          |                        | <b>375.00</b> |

### **2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Large Entity             |          | Small Entity |          | Fee Description  | Fee Paid      |
|--------------------------|----------|--------------|----------|--|---------------|
| Fee Code                 | Fee (\$) | Fee Code     | Fee (\$) |  |               |
| 1202                     | 18       | 2202         | 9        | Claims in excess of 20                                     |               |
| 1201                     | 84       | 2201         | 42       | Independent claims in excess of 3                          |               |
| 1203                     | 280      | 2203         | 140      | Multiple dependent claim, if not paid                      |               |
| 1204                     | 84       | 2204         | 42       | ** Reissue independent claims over original patent         |               |
| 1205                     | 18       | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent |               |
| <b>SUBTOTAL (2)</b> (\$) |          |              |          |  | <b>588.00</b> |

\*\*or number previously paid, if greater; For Reissues, see above

## **SUBMITTED BY**

Name (Print/Type) Thomas J. Engstler

Registration No. (Attorney/Agent)

28,711

## **Complete (if applicable)**

Telephone (617) 439-2948

Signature

Date

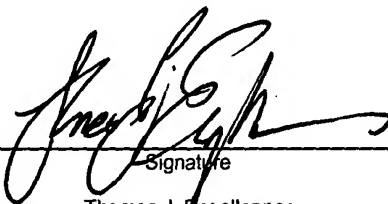
July 22, 2003

## Certificate of Express Mailing Under 37 CFR 1.10

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on July 22, 2003  
Date



Signature

Thomas J. Engellenner

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Fee Transmittal